Interactive comment on "Towards a better ice sheet model initialisation and basal knowledge using data assimilation" *by* Cyrille Mosbeux et al.

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First we would like to thank the referee for his useful and constructive comments on our work. We carefully considered your comments as well as those offered by the other referee.

You will find a detailed answer to each of your comments in the attached pdf file (see supplement). We hope that the revisions improve the quality of the paper and meet your expectations.

Please also note the supplement to this comment:
http://www.geosci-model-dev-discuss.net/gmd-2016-7/gmd-2016-7-AC1-supplement.pdf